

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/003287

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 H01B 3/30, C08G 77/04**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C08J 3/00, C08G 77/04, 77/14, H01L 21/31

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
PAJ, E-KIPASS, E-SPACENET

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003-55134 A (SAMSUNG ELECTRONICS) 20 MARCH 2003 See the whole document	1-10
A	US 2003-65123 A (YI YEOL LYU ET AL) 3 APRIL 2003 See the whole document	1-10
A	US 6632748 B (SAMSUNG ELECTRONICS) 14 OCTOBER 2003 See the whole document	1-10
A	KR 2003-24002 A (SAMSUNG ELECTRONICS) 26 MARCH 2003 See the whole document	1-10

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance  
 "E" earlier application or patent but published on or after the international filing date  
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 "O" document referring to an oral disclosure, use, exhibition or other means  
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
 "&" document member of the same patent family

Date of the actual completion of the international search

26 APRIL 2005 (26.04.2005)

Date of mailing of the international search report

**27 APRIL 2005 (27.04.2005)**

Name and mailing address of the ISA/KR



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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2004/003287

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003-55134 A	20.03.2003	KR 2002-75720 A EP 1245628 A US 6632748 B JP 2002-293989 A	05.10.2002 02.10.2002 14.10.2003 09.10.2002
US 2003-65123 A	03.04.2003	KR 2002-75669 A EP 1245642 A US 2004-24164 A JP 2002-363285 A	05.10.2002 02.10.2002 05.02.2004 18.12.2002
KR 2003-24002	26.03.2003	NONE	